

## Recombinant Human APPL2

Cat. No. APPL2-28350TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein, corresponding to amino acids 1-644 of Human DIP13B with N terminal tag ; 654 amino acids, predicted MW 74kDa, expressed in insect cells;
<b>Species</b>	Human
<b>ProteinLength</b>	1-644 a.a.
<b>Description</b>	<p>The protein encoded by this gene is one of two effectors of the small GTPase RAB5A/Rab5, which are involved in a signal transduction pathway. Both effectors contain an N-terminal Bin/Amphiphysin/Rvs (BAR) domain, a central pleckstrin homology (PH) domain, and a C-terminal phosphotyrosine binding (PTB) domain, and they bind the Rab5 through the BAR domain. They are associated with endosomal membranes and can be translocated to the nucleus in response to the EGF stimulus. They interact with the NuRD/MeCP1 complex (nucleosome remodeling and deacetylase /methyl-CpG-binding protein 1 complex) and are required for efficient cell proliferation. A chromosomal aberration t(12;22)(q24.1;q13.3) involving this gene and the PSAP2 gene results in 22q13.3 deletion syndrome, also known as Phelan-McDermid syndrome.</p>
<b>Form</b>	Lyophilised: Add 100µl of deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile, please filter the product by an appropriate sterile filter before use. Aliquot r

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Storage</b>	Shipped at 4°C. Store at -20oC.
<b>Sequences of amino acids</b>	<p>GAMGSGIQRP MPAVDKLLLE EALQDSPQTR SLLSVFEEDA GTLTDYTNQL  LQAMQRVYGA QNEMCLATQQ LSKQLLAYEK QNFALGKGDE EVISTLHYFS  KVVDLNLH TELAKQLADT MVLPIIQFRE KDLTEVSTLK DLFGLASNEH  DLSMAKYSRL PKKKENEKVK TEVGKEVAAA RRKQHLSSLQ YYCALNALQY  RKQMAMMEPM IGFAHGQINF FKKGAEMFSK RMDSFLSSVA DMVQSIQVEL  EAEAEKMRVS QQELLSVDES VYTPDSDVAA PQINRNLIQK AGYLNLRNKT  GLVTTTWERL YFFTQGGNLM CQPRGAVAGG LIQDLNCSV MAVDCEDRRY  CFQITTPNGK SGILQAESR KENEEWICAI NNISRQIYLT DNPEAVAIKL  NQTALQAVTP ITSFGKKQES SCPSQNLKNS EMENENDKIV PKATASLPEA  EELIAPGTPI QFDIVLPATE FLDQNRGSRR TNPFGETEDE SFPEAEDSLL  QQMFIVRFLG SMAVKTDSTT EVIYEAMRQV LAARAIHNIF RMTESHLMVT  SQSLRLIDPQ TQVSRANFEL TSVTQFAAHQ ENKRLVGFVI RVPESTGEES  LSTYIFESNS EGEKICYAIN LGKEIIEVQK DPEALACLML SIPLTNDGKY  VLLNDQPDDD DGNPNEHRGA ESEA</p>
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	APPL2 adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 [ Homo sapiens ]
<b>Official Symbol</b>	APPL2
<b>Synonyms</b>	APPL2; adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2; DCC-interacting protein 13-beta; DIP13B; FLJ10659;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Gene ID</b>	55198
<b>mRNA Refseq</b>	NM_018171
<b>Protein Refseq</b>	NP_060641
<b>MIM</b>	606231
<b>Uniprot ID</b>	Q8NEU8
<b>Chromosome Location</b>	12q24.1
<b>Pathway</b>	EGFR1 Signaling Pathway, organism-specific biosystem;
<b>Function</b>	protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA